

ROLL-OVER CONTROLLER

ABSTRACT OF THE DISCLOSURE

A steering system for a vehicle includes at least one wheel that pivots to define a steering angle, wherein the steering angle is defined, at least in part, by an input from the operator, and at least one sensor adapted to monitor the roll of a vehicle body and a height of the center of gravity of the vehicle. The steering system also includes a motor operatively connected to the wheel that supplements the input to the steering angle, and a controller in communication with the sensor and operatively connected to the motor, wherein the controller is adapted to adjust the supplementation of the input to the steering angle based upon the amount of roll of the vehicle body as monitored by the sensor, and adapted to supplement the steering angle when the amount of roll of the vehicle body as monitored by the sensor exceeds a maximum value.